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| FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112 | | | NGUYEN, KIMNHUNG T | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/873,293

Applicant(s)

SHIGETA, KAZUYUKI

Examiner

Kimnhung Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Amendment filed on 8/3/05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This Application has been examined. The claims 1-30 are pending. The examination results are as following.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-2 are rejected under 35 U.S.C. 102(e) as being anticipated by Sawada et al. (US 6,476,821).

Regarding claim 1, Sawada et al. disclose in figure 1, a display control device (105) for controlling display of pictures (see display image, fig. 19) which are from a plurality of signal sources (113, 114) connected to signal lines on a plurality of display windows on a screen respectively (see abstract, see display attributes of a specific area on the screen, the display control device) comprising an attributes information memory (104), which stores display attributes information for each of the plurality of display windows on the single screen (see fig. 10), a notification unit, which notifies one of signal sources connected to the signal lines (see signal from 113, 114), and corresponding to the display windows in which the pictures from the each of the plurality of signal sources are display (see fig. 1, see col. 6, lines 6-34).

Regarding claim 2, Sawada et al. discloses further, the display attributes information is changed to a setting of a display windows (see col. 24, lines 61-63).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-7, 9, 11-12, 15-18 and 21-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawada et al. (US 6,476,821) in view of Nolan et al. (US patent 6,049,316)

Regarding claim 4, Sawada et al. does not disclose the notification is performed synchronously with at least a change in attributes of a signal on the network.

Nolan et al. discloses the notification is performed synchronously with at least a change in attributes of a signal on the network (see column 1, lines 36-43). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the using of notification is performed synchronously with at least a change in attributes of a signal on the network as taught by Nolan et al. into the system of Sawada et al. because synchronous would provide higher refresh rates which reduce flicker and slower rate to avoid damage based on the requirements of the display.

Regarding claims 5-7, Sawada et al. does not disclose the notification by the notification unit is performed synchronously with a change in the size, usage on the screen.

Nolan et al. discloses the notification by notification unit is performed synchronously with a change in the size, usage on the screen (see figures 2A-2B, see change display type, monitor change).

Regarding claim 9, Sawada et al. discloses a display control device for controlling for display pictures from a plurality of signal sources connected to signal lines on a plurality of display windows on a screen as discussed above.

However, Sawada et al. does not disclose an obtaining unit, which obtains identification signals relating to picture from the plurality of signals source; and a notification unit which notifies one of signal sources connected to the signal lines of the created display selection information.

Nolan et al. discloses an obtaining unit which obtains identification signals (see PC 20 contain EDID, see three values for popular resolutions: VGA 640x480, SVGA 800x600, and XGA 1024x768; a display selection information creating which creates display selection information based on obtained identification signals (see worker selects the display properties tool, see figures 2A-2B), and notification unit for created display selection information (see figures 2A-2B).

It would have been obvious to one of ordinary skill in the art at the time the invention was to utilize the teaching the using of three values for popular resolutions: VGA 640x480, SVGA 800x600, and XGA 1024x768; a display selection information creating which creates display selection information based on obtained identification signals (see worker selects the display properties tool, see figures 2A-2B), and notification unit for created display selection information as taught by Nolan et al. into the display system of Sawada et al. with one of signal sources because this would help the worker selects the brand name and model of high resolution of the display (see column 2, lines 50-55), which makes the device user friendly.

Regarding claims 11-12, 15-18, Nolan et al. discloses the selection information is changed, the notification unit is performed synchronously with change changed number on the network, changed size as discussed above.

Regarding claims 21-26, Sawada et al. discloses a plurality of signal sources, however, Sawada et al. does not disclose identification signals obtained by said obtaining unit are identification number provided to the plurality of signal sources.

Nolan et al. discloses an identification signals are identification numbers (see resolutions are stored in the graphics controller sub-system (see column 4, lines 39-45).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the teachings of resolutions are stored in the controller system as taught by Nolan et al. into the system having plurality of signal sources of Sawada et al. because this would default refresh rates for VGA, SVGA and XGA resolution (see column 4, lines 43-45).

5. Claims 3, 8, 10, 13-14, 19-20, 27-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawada et al. (US 6,476,821) and Nolan et al. (US patent 6,049,316) as applied to claims 11, 9 above, and further in view of Nason et al. (US patent 6,018,332).

Sawada et al. discloses a display control device or a computer-readable recording medium storing a program for controlling for display of pictures from a plurality of signal sources connected to signal lines on a plurality of display windows on a screen (see fig. 10). Nolan et al. discloses the popular resolutions: VGA 640x480, SVGA 800x600, and XGA 1024x768 as discussed above. Furthermore, Nolan et al. discloses an image memory which

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stores a plurality of pictures input (see video memory 60), and an inherent area securing unit which secures a storage area for storing each of the plurality of picture in the image.

However, they do not disclose the notification is performed synchronously with a change in an input picture signal and change in a positional relation of a plurality of picture-in-picture screens on the screen.

Nason et al. discloses in figure 3, a Microsoft Windows 95 a display is including a graphical user interface in four bars each 20-pixels high/wide outside each of the four display edges: a bottom bar 30, a left side bar 34, a right side bar 36, and a top bar 38 (that is the input change in picture or change of picture-in-picture screens on screen). It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the teachings of four display edges of the windows with different picture as taught by Nason et al. into the system having a plurality of signal sources of Sawada et al. and Nolan et al. because this would display images representing documents and applications available to the user (Nason, see abstract).

Response To Arguments

6. Applicant's arguments with respect to claims 1-30 filed on 8/3/05 have been considered but are moot in view of the new ground(s) of rejection.

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO**

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MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on (571) 272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimnhung Nguyen
October 11, 2005

AMR A. AWAD
PRIMARY EXAMINER
